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What is claimed is:

- 1. A nonvolatile display device comprising:
- a display element;
- a control element for controlling a voltage or a current to be applied to said display element to drive said display element; and

a nonvolatile data holding section integrated with said control element or connected to said control element and capable of holding control data of said control element in a floating state.

- 2. The display device of claim 1, wherein said control element is formed of a MOS transistor type element, one of a drain and a source of said MOS transistor type element is connected to said display element and the other is connected to a driving line, a gate side of said MOS transistor type element is connected to a control line through said nonvolatile data holding section, and plural sets of said display element, said control element and said nonvolatile data holding section are formed as each pixel in a matrix.
- 3. The display device of claim 2, wherein a selective transistor is connected between said nonvolatile data holding section and said control line, and a gate of said selective transistor is connected to a selective line.
- 25 4. The display device of claim 1, wherein said nonvolatile data holding section is formed of a ferroelectric capacitor.

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- 5. The display device of claim 2, wherein said control element and said nonvolatile data holding section are formed of a transistor having an MFS structure or an MFIS structure in which a ferroelectric capacitor is formed integrally on the gate side of a MOS transistor, a back gate of said MOS transistor is connected to a write line, and the control data can be written to said nonvolatile data holding section between said control line and said write line.
- 6. The display device of claim 2, wherein said control element and said nonvolatile data holding section are formed of a transistor having an MFMIS structure in which a ferroelectric capacitor is connected to the gate side of a MOS transistor through a common electrode or a wiring, a capacitor is connected between a connecting portion of a gate electrode of said MOS transistor and said ferroelectric capacitor and a ground or a write line, and the control data can be written to said nonvolatile data holding section between said control line and said ground or said write line.
 - 7. The display device of claim 1, wherein said nonvolatile data holding section is constituted by an element utilizing a magnetoresistance effect.
- 8. The display device of claim 1, wherein said nonvolatile data holding section is constituted by a single electron memory.
 - 9. The display device of claim 1, wherein said

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display element is formed by an organic EL element.

10. A method of driving a nonvolatile display device wherein display elements constituting each pixel are arranged in a matrix and ON/OFF of each of said display elements is controlled to sequentially change a display image by a control element provided in said each of said display elements, comprising the steps of:

providing a nonvolatile data holding section in said control element for controlling a driving operation of said each of said display elements;

carrying out a display on a display element having no change in a control state of said display elements, based on the data of said nonvolatile data holding section without applying the display data; and

applying and displaying the new display data to only a display element to be changed in a display state and recording said new display data in said nonvolatile data holding section.